



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**MAN Fielding Gen 2**  
 Component  
**Natural Gas Engine**  
 Fluid  
**{not provided} (110 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0788946</b>	WC0788950	WC0788944
Sample Date		Client Info		<b>20 Dec 2023</b>	15 Nov 2023	29 Jul 2023
Machine Age	hrs	Client Info		<b>7639</b>	7637	6710
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>7</b>	8	7
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>20	<b>9</b>	13	8
Copper	ppm	ASTM D5185(m)	>15	<b>6</b>	8	4
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

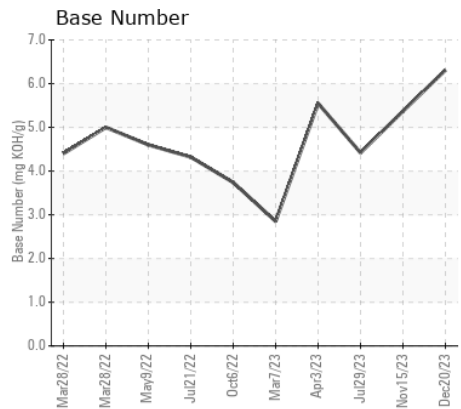
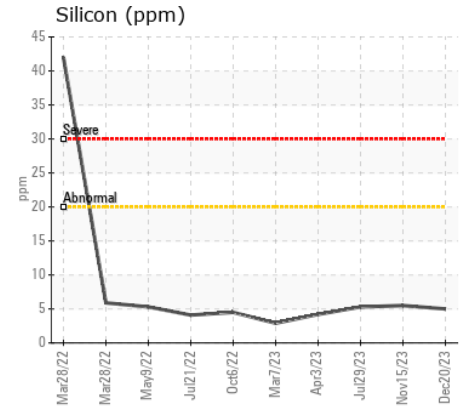
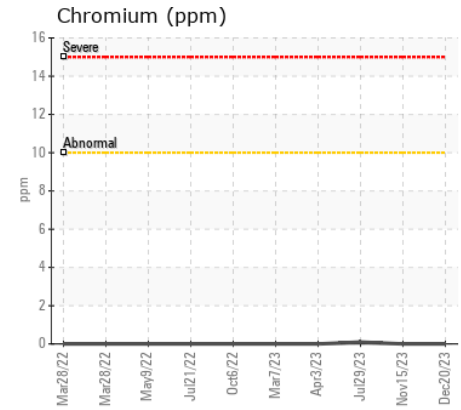
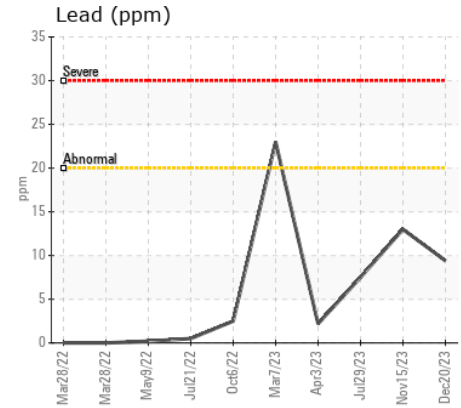
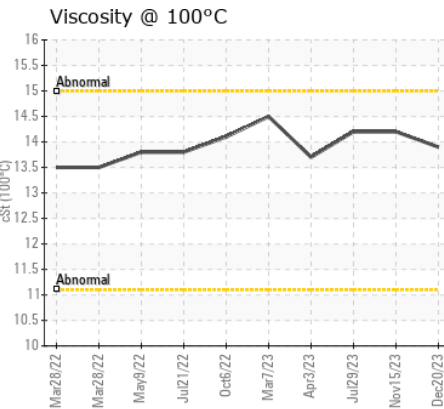
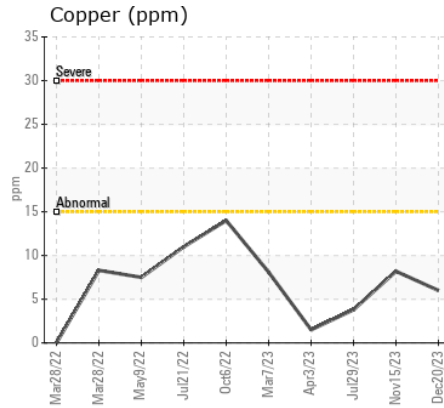
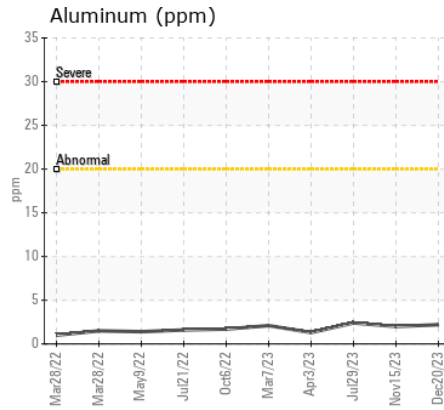
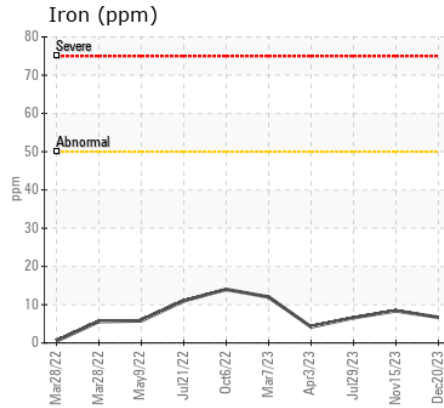
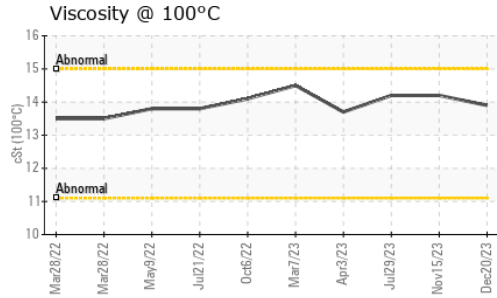
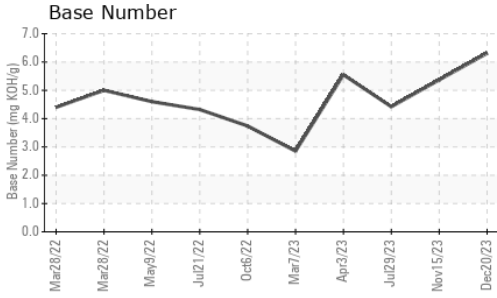
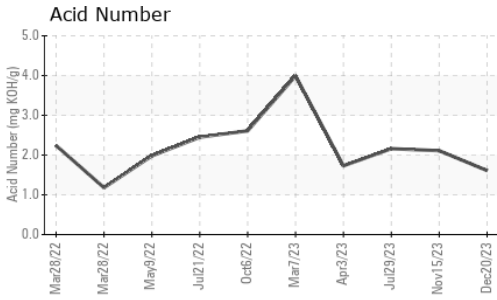
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>5</b>	6	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>1.5	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.3</b>	12.9	10.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.0</b>	20.1	18.6
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>10</b>	13	11
Boron	ppm	ASTM D5185(m)		<b>74</b>	66	30
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>25</b>	42	129
Manganese	ppm	ASTM D5185(m)		<b>6</b>	8	5
Magnesium	ppm	ASTM D5185(m)		<b>8</b>	10	8
Calcium	ppm	ASTM D5185(m)		<b>1926</b>	1984	1790
Phosphorus	ppm	ASTM D5185(m)		<b>301</b>	304	311
Zinc	ppm	ASTM D5185(m)		<b>364</b>	401	370
Sulfur	ppm	ASTM D5185(m)		<b>935</b>	999	1335
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.7</b>	20.7	17.6
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>1.61</b>	2.11	2.16
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>6.31</b>	5.37	4.42
i-pH	Scale 0-14	ASTM D7946*	<4.5	<b>5.73</b>	4.64	4.70
Visc @ 100°C	cSt	ASTM D7279(m)		<b>13.9</b>	14.2	14.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0788946 **Received** : 17 Jan 2024  
**Lab Number** : 02609276 **Diagnosed** : 22 Jan 2024  
**Unique Number** : 5710362 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: i-pH, TAN Auto )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

**PROPHASE LTD**  
 4035 CHESSWOOD DR  
 NORTH YORK, ON  
 CA M3J 2R8  
 Contact: Billy Alexopoulos  
 billy@prophase.ca  
 T: (416)991-2331  
 F: